



(U//FOUO) [REDACTED] is the DA Technical Director

FROM: [REDACTED]
Data Acquisition Technical Director
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(U//FOUO) I am very pleased to have been given the opportunity to serve as the Data Acquisition Technical Director and as Chief of the Technical Advocate Office. I look forward to meeting the challenges of the job. One of the benefits of this position is that within DA there are an extraordinarily large percentage of highly technical people. Even [REDACTED] the Deputy Director for Data Acquisition was initially elevated as a DISL. One of my challenges will be to effectively engage the members of the DA technical community and to be an advocate on their behalf.

(S//SI) As the DA Technical Director I am responsible for working as a member of both the DA and SID leadership teams and to assure that technical issues are appropriately represented and incorporated into strategic planning and tactical resource decisions. In order to accomplish, this I spend a significant amount of time each week with the members of the SID Technical Leadership Team. The team is comprised of the Technical Directors from [CRD](#), [A&P](#), [DA](#), [SIGDEV](#), [SID Systems Engineering](#) and the [SID Chief Technology Officer](#). The Chief, [SID/RAD Bridge](#) and the [ITIS TD](#) often attend as well. This group usually meets three times each week for one or two hour sessions to discuss topics ranging from prioritizing the research agenda that SID will send to RAD to working with the system engineers who are designing the common data model to assure that it will fit all of SID's needs. I strongly encourage anyone who feels they have SID-level technical issues to contact us.

(S//SI) One focus of this group is to continue the development and rollout of the [Layered Zone Model \(LZM\)](#). The LZM is a functional description of how the SIGINT system will operate in the future. It provides strategic direction for developing critical capabilities needed for transformation, and thus will drive programmatic and technological and analytical evolution. The LZM is not intended to replace the SIGINT architecture, but to provide guidance on critical directions that the SIGINT system must take. It advocates for three distinct business lines: Sustaining Production, Tip-offs and Alerts, and SIGINT Development (SIGDEV) - major SIGINT focus areas in the future. It also identifies critical functionality in the following areas: making the SIGINT system more transparent to customers, to the extent that law and policy will allow, and creating an Internet-like analytic environment which will take full advantage of the rich collection access available now and in the future. (See the [LZM diagram](#)).

(U//FOUO) The [Technical Advocate Office \(S3T\)](#) is comprised of the following elements:

- (U//FOUO) [Cryptologic Mathematician Program \(CMP\)](#) and the [Cryptanalysis Intern Program](#) : The CMP program and the CA intern program recruit, hire, diversify and train the next generation of cryptomathematicians and cryptanalysts.
- (U//FOUO) [Data Acquisition Fellows Program](#) : The Fellows program is typically a three year program intended to offer technical leadership opportunities to highly motivated mid-career technologists. The tours are usually a year or so in duration.
- (S//SI) [Target Technology Trends and Analysis Center \(T3C\)](#): The T3C, part of the SIGDEV community, is responsible for monitoring developments in telecommunications technology, anticipating how targets of interest will use this technology, and predicting the technology's impact on the Signals Intelligence Directorate's ability to monitor targets. The T3C provides key inputs to anticipatory investment strategies for research, development and analysis to prepare for the future.
- (U//FOUO) [Research POD Program](#) : The pod program, established in 1997, accepts proposals from anyone who believes that the proposed area of study is a topic to which the Agency should

devote resources. All pod proposals are presented to a research committee of senior technical experts from throughout the Agency. Pod participants are also drawn from throughout the Agency, Institute for Defense Analyses (IDA) and our second party partners. There have been a total of 35 pods and 4 are currently active.

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